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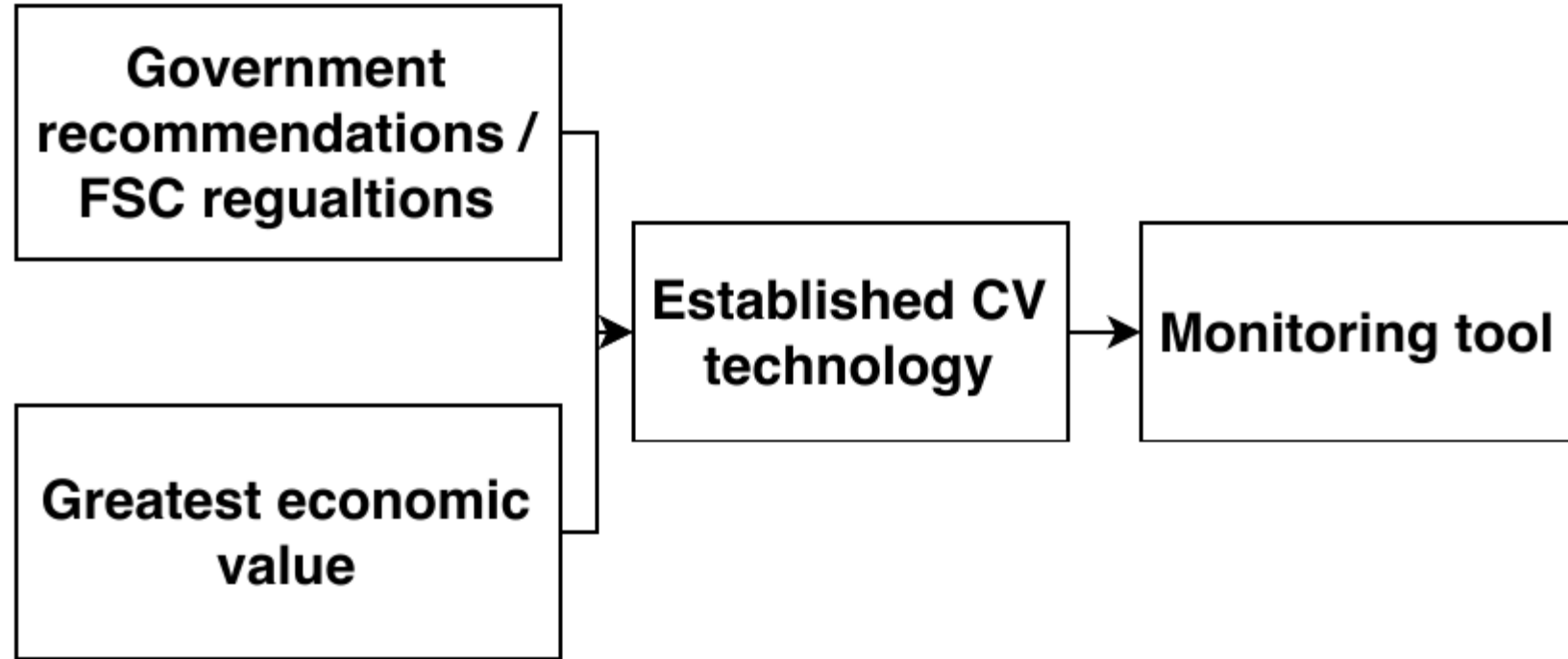
Monitoring of Namibian Encroacher Bush using Computer Vision

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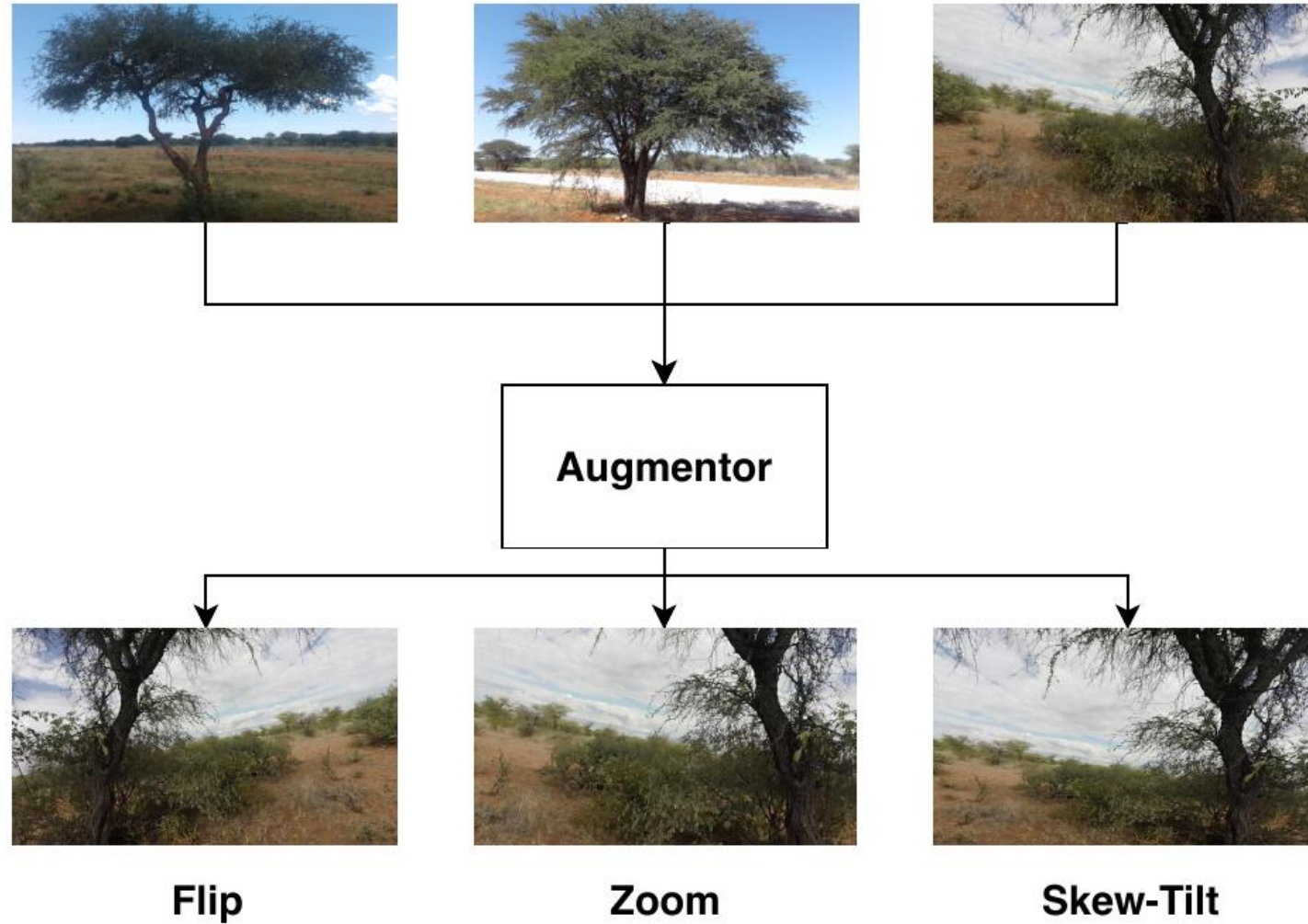
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2019

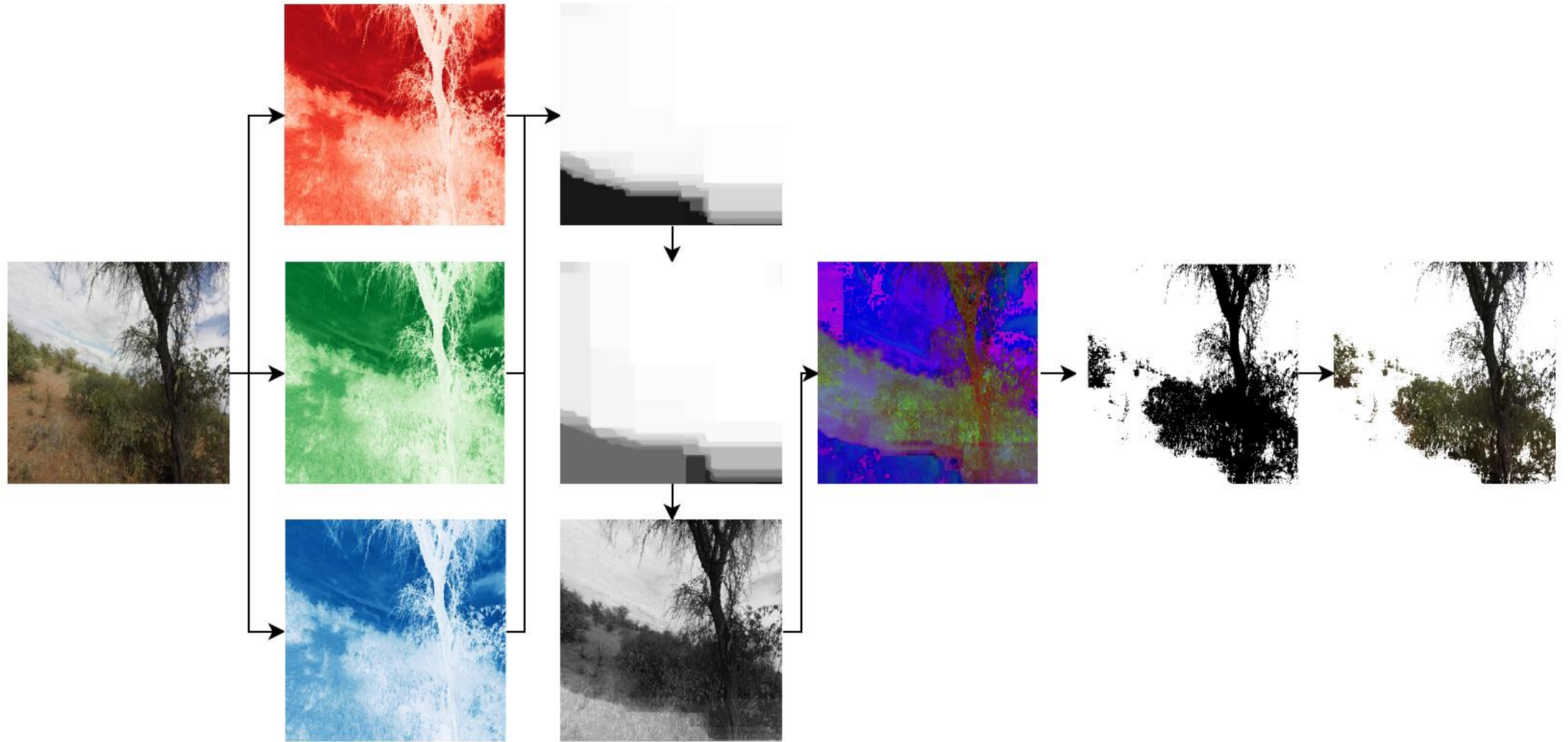
Motivation



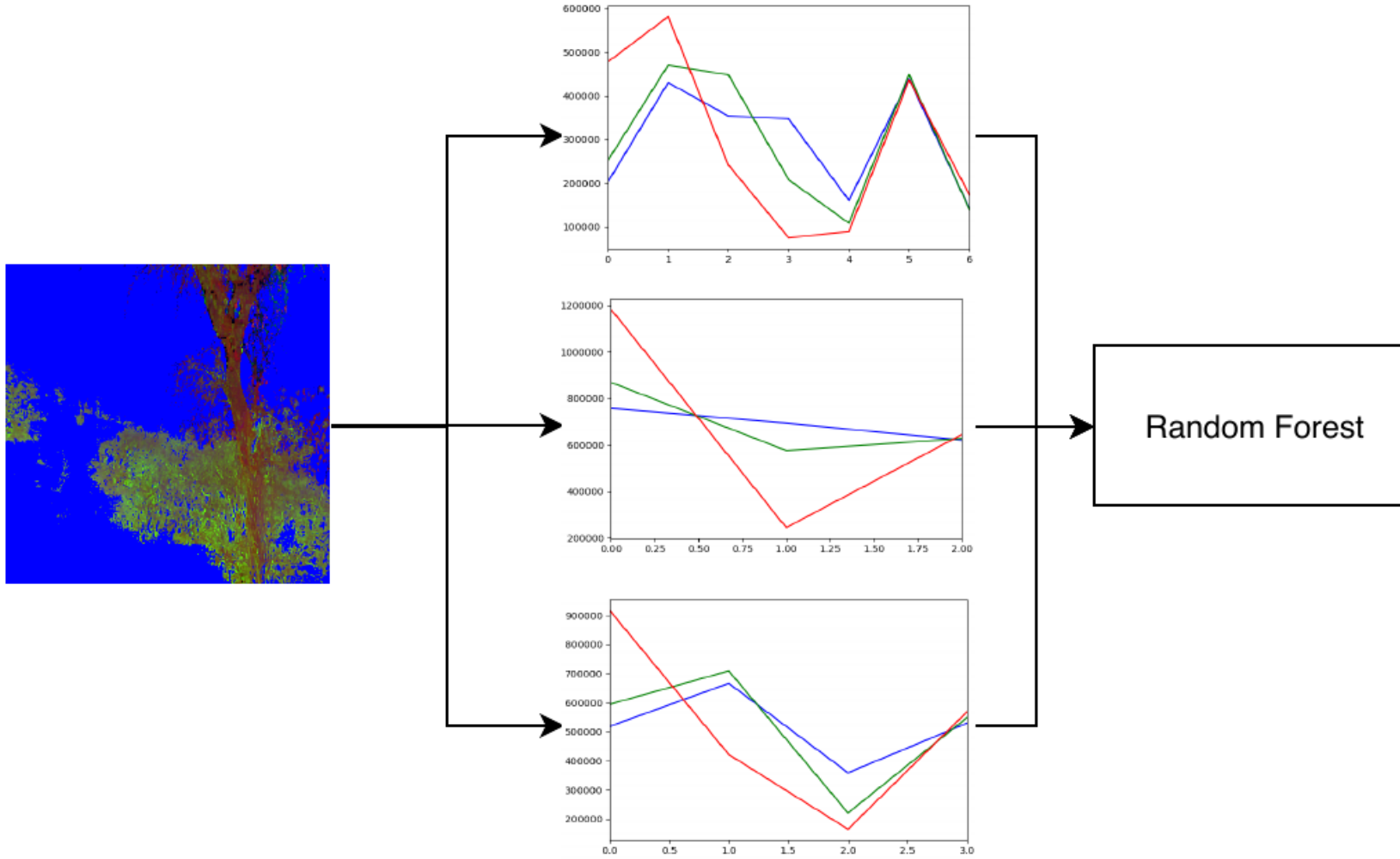
Data Collection and Augmentation



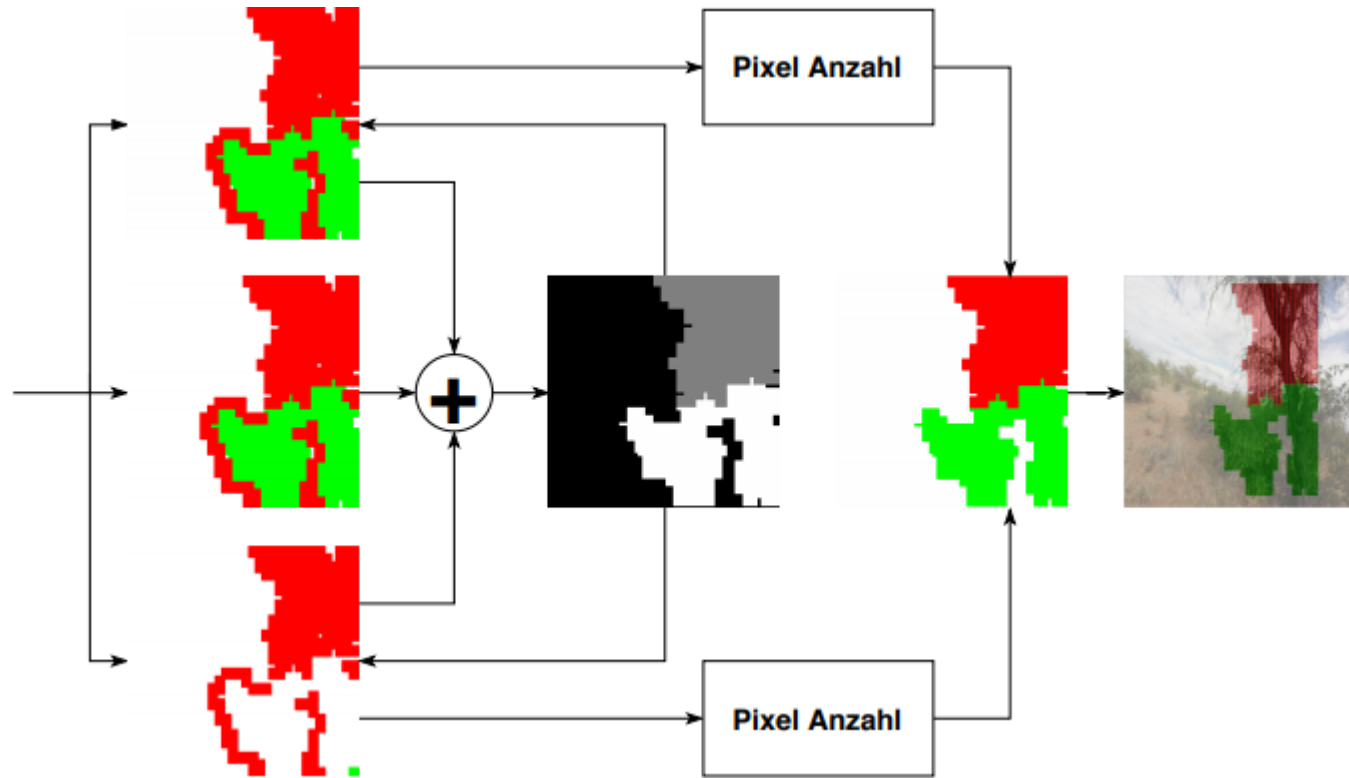
Filtering



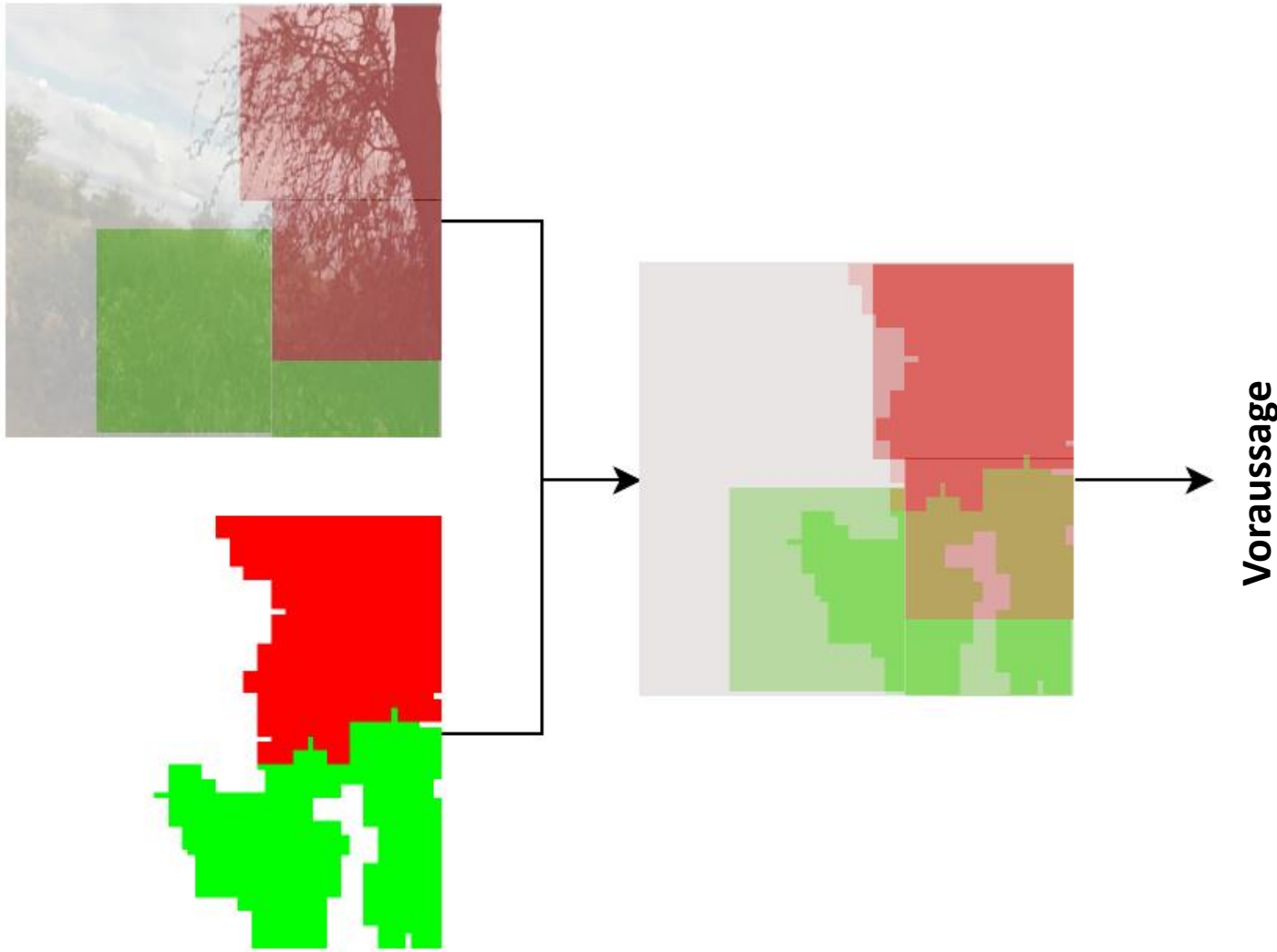
Feature Extraction



Identification

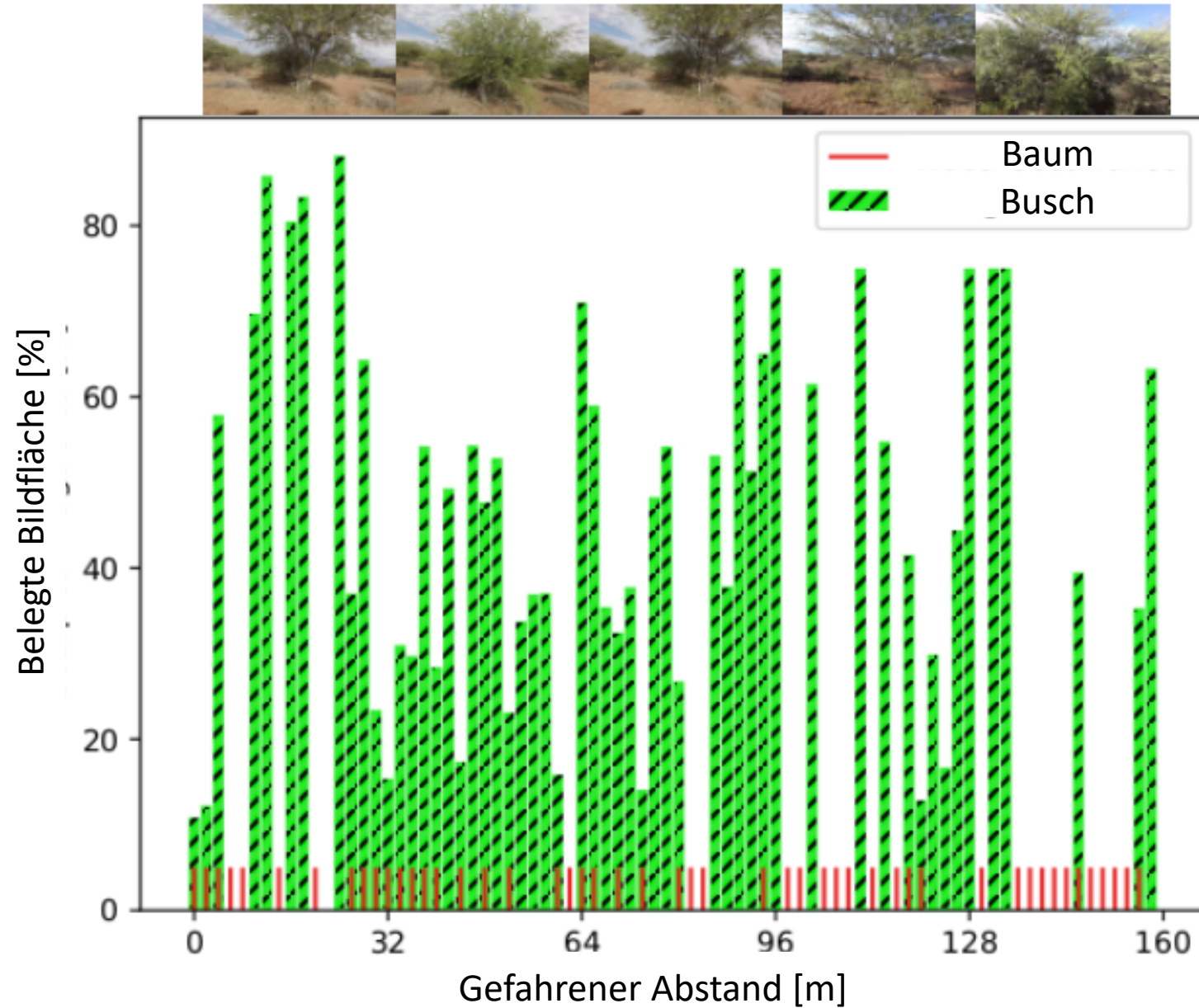


Evaluation



	Grunddaten		
	Busch	Baum	Total
Busch	32 %	10 %	42 %
Baum	14 %	44 %	58 %
Total	46 %	54 %	100 %

Monitoring tool



Conclusion

- Filtering sufficiently reduces noise
- Random forest can predict up to 76 % accuracy on test set
- Monitoring tool created for farmers and authorities